

Chaman Lal

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Education

Indian Institute of Information Technology (IIIT) Bhopal, Madhya Pradesh

Aug 2019 – May 2023

Major in Computer Science and Engineering CGPA: 8.2/10.0;

Relevant Coursework: C/C++, Data Structure, Algorithms, Object Oriented Programming, Database Management

Experience

Chakr Innovation

March 2024 – Present

Data Analyst

Gurgaon, India

- Developed and implemented a new **Python** script for generating comprehensive reports using libraries such as **NumPy**, **Pandas**, and **Plotly**, resulting in a remarkable **95%** reduction in report generation time.
- Managed and Optimized **Python** scripts, enhancing **performance by 30%** and improving workflow productivity.
- Utilized **machine learning** and **curve fitting algorithms** for **data analysis**, extracting actionable insights that led to a **20%** increase in predictive accuracy for business strategies.
- Applied **machine learning algorithms** to diverse experiments **datasets**, used **statistical analysis and predictive modeling** that increased actionable **business intelligence by 25%**.

TechStack used: **Python, Pandas, NumPy, Machine Learning, Curve fitting, Plotly, SQL, Git**

Incture Technologies

Jun 2023 – March 2024

Data Analyst (ASE)

Bbsr, India

- Developed impactful data **visualizations** using **Power BI**, translating complex datasets into actionable insights that significantly enhanced organizational **decision-making** processes.
- Streamlined and optimized **SQL query** operations, successfully **reducing processing times by over 50%**, thus enhancing overall database efficiency and response times for **business-critical operations**.
- Created interactive web applications using **Streamlit** to visualize and analyze **complex datasets**.
- Engaged in **Django** web development, utilizing basic concepts to contribute to creating robust and scalable applications.

TechStack used: **Python, Power BI Machine learning, Numpy, Pandas, Plotly, SQL, Django, Git.**

Personal Projects

SecureMessengerApplication [Github](#)

[Xml,Java,CryptographyAlgorithms]

- An android application used to prevent message interception or **communication network attacks**.
- This app uses **symmetric** and **asymmetric 4 cryptography algorithms** to encrypt and decrypt the base.
- Choice of the key between the sender and receiver is also provided. Other features like speech to text conversion.

Covid -19 Vaccine Availability [Github](#)

[Xml, Kotlin, Volley LIB, REST API]

- An Android app for COVID-19 **vaccine availability** at nearest vaccination centers/hospitals using pin-code
- This Application provides crucial information like address of the center, timing, name of vaccine, age limit ,Vaccine fees.

Technical Skills

Languages and Frameworks: C/C++ (Data Structure and Algorithms), Java, Python, Pandas, Numpy, SQL, MySQL, Django

Visualization Tools: Power BI, Excel, Matplotlib, Plotly, Seaborn

Data Analysis and Machine Learning: Data Analysis, Machine Learning (scikit-learn), Statistical Analysis, Predictive Modeling

Other Skills: Excel, Business Analysis, Data Analysis, Data Science, Agile Methodologies, Problem Solving.

Achievements

- Solved 600+** questions on different platforms like **LeetCode**, **Geeksforgeeks**, **Codechef** and **Codeforces**.
- 3- Star/1733+ Rated Coder at **CodeChef** User name : [Link](#)
- 5- Star Rated Coder at **HackerRank** in C++ User name : [Link](#)
- 38 Global Rank Competitive Platform at **CodeChef** Long challenge July - 2021
- Data Structure and Algorithms** Program in **C/C++ by GeeksforGeeks** (A Computer Science Portal) (Nov 2020- Feb 2021) Rank 94/40k [Link](#)
- Relational Database** management system (**RDBMS**) by IBM Dec-2020 [Link](#)